

Challenges

- ✓ NAS Purchased to support Resource 18 months old, have experienced 15 disk failures
- ✓ ES3500 Server (legacy) failures started June, continued until October
- ✓ Disk Array failure _September
- √ Not enough network ports to support new equipment

Infrastructure Upgrade

- ✓ Intended to upgrade legacy hardware
- ✓ Increase storage capability
- ✓ Introduce new technologies to enhance inspection capabilities
- √ Consolidate tape libraries
- ✓ Increase archive capabilities
 - √6 -T10000 tape drives installed. New tape technology holds 1TB per tape
- ✓ Purchased new servers to create Virtual Server (up to 180 server instances)
 - ✓ Reduces physical footprint in Datacenter
 - √ Reduces power consumption
 - ✓ Meets Federal Mandates for Green Data Centers
- ✓ Upgrade network infrastructure to USDA web farm standards
 - ✓ New Security Stack
 - ✓ Installation of WAN accelerator
 - √ Creation of several separate virtual networks
 - √ Reduces impact on production network
 - ✓ Isolates Production from test & dev
 - ✓ Ensures bandwidth (amount) is available as specified

TIMELINE

Oct /Nov 2009 June 2009 --Installation FSA REC'D **FUNDING** and Migration March/April Sept 2009 -**Purchasing** 2010 Telecom Complete Upgrade Starts